

FIG. 1A

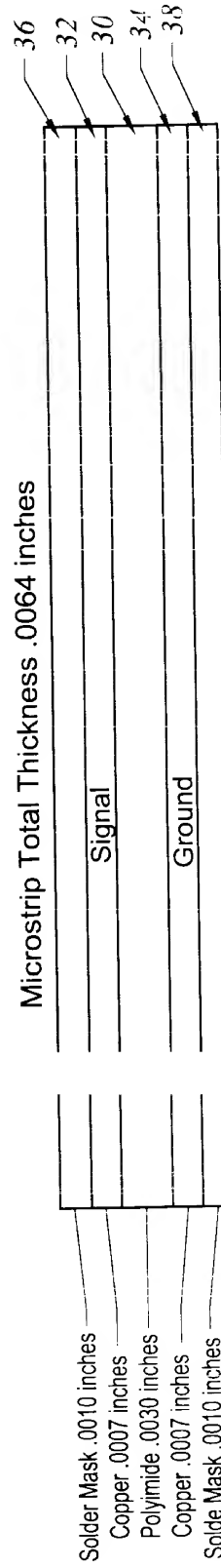
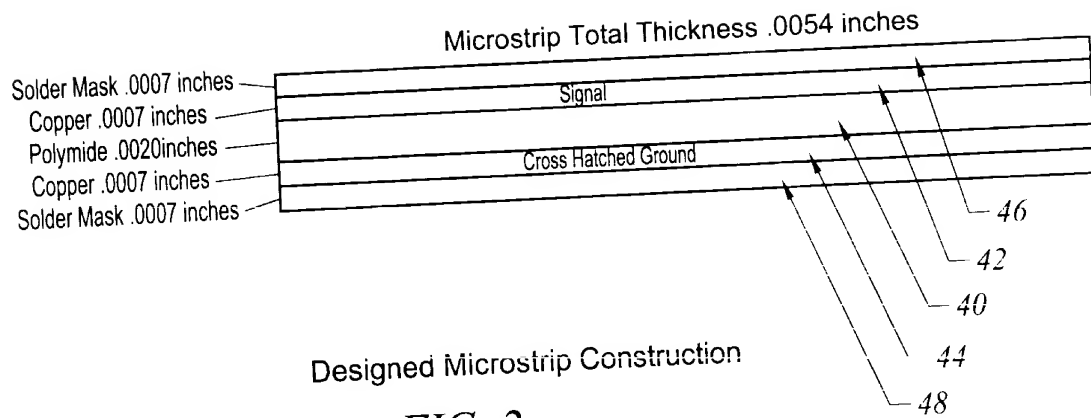
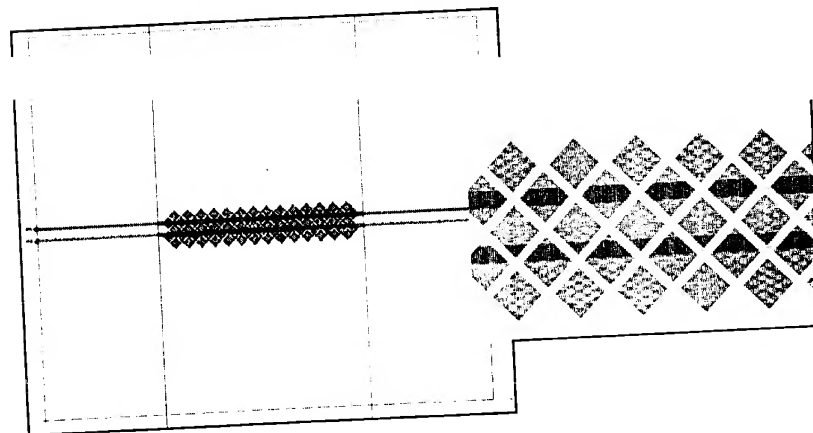


FIG. 1B



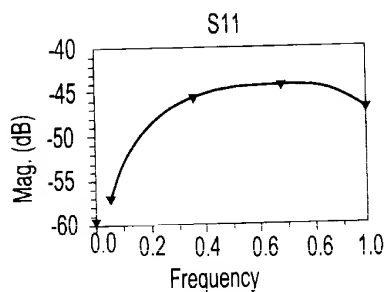
Designed Microstrip Construction

FIG. 2



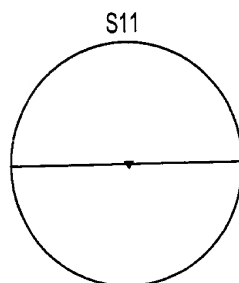
Simulation Set Up for 50 ohm Transmission Line

FIG. 3



Simulation Results for 50 ohm Transmission Line-  
Amount of Reflection with a Transmission Line Terminated with 50 ohms

*FIG. 4*

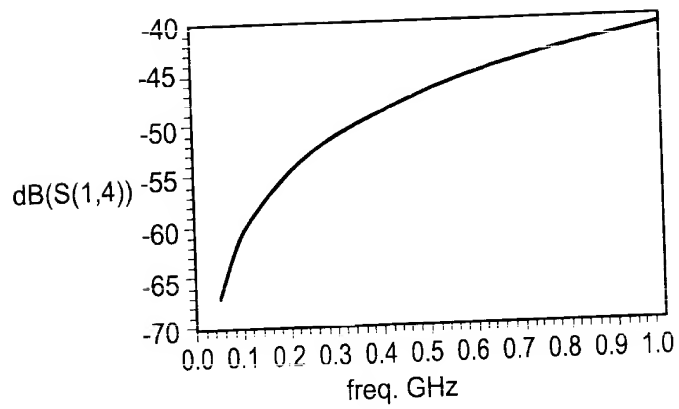


freq (50.00MHz to 1.000GHz)

Simulation Results for 50 ohms Transmission Line-  
Amount of Reflection with a Transmission Line 50 ohms Plotted on a Smith Chart

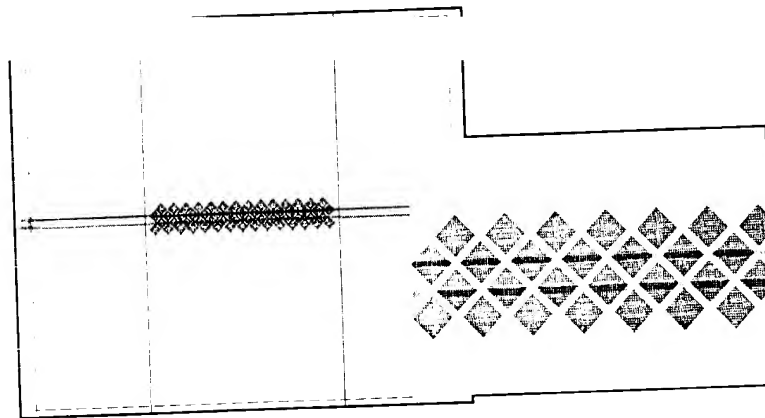
*FIG. 5*

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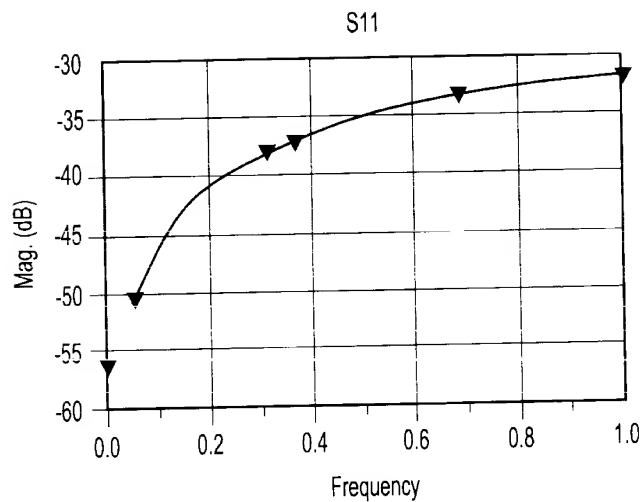
Simulation Results for 50 ohm Transmission line-Isolation  
Between adjacent Traces

*FIG. 6*



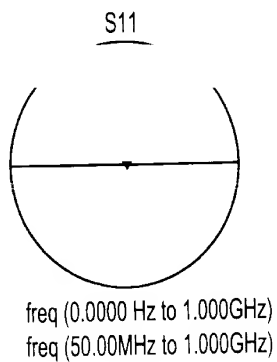
75 ohm Transmission Line Simulation Set Up

*FIG. 7*



Simulation Results for 75 ohm Transmission Line-  
Amount of Reflection with a Transmission Line Terminated with 75 ohms

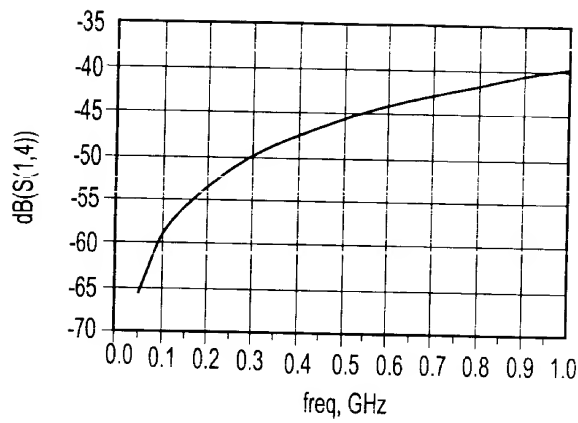
*FIG. 8*



Simulation Results for 75 ohms Transmission Line-  
Amount of Reflection with a Transmission Line 75 ohms Plotted on a Smith Chart

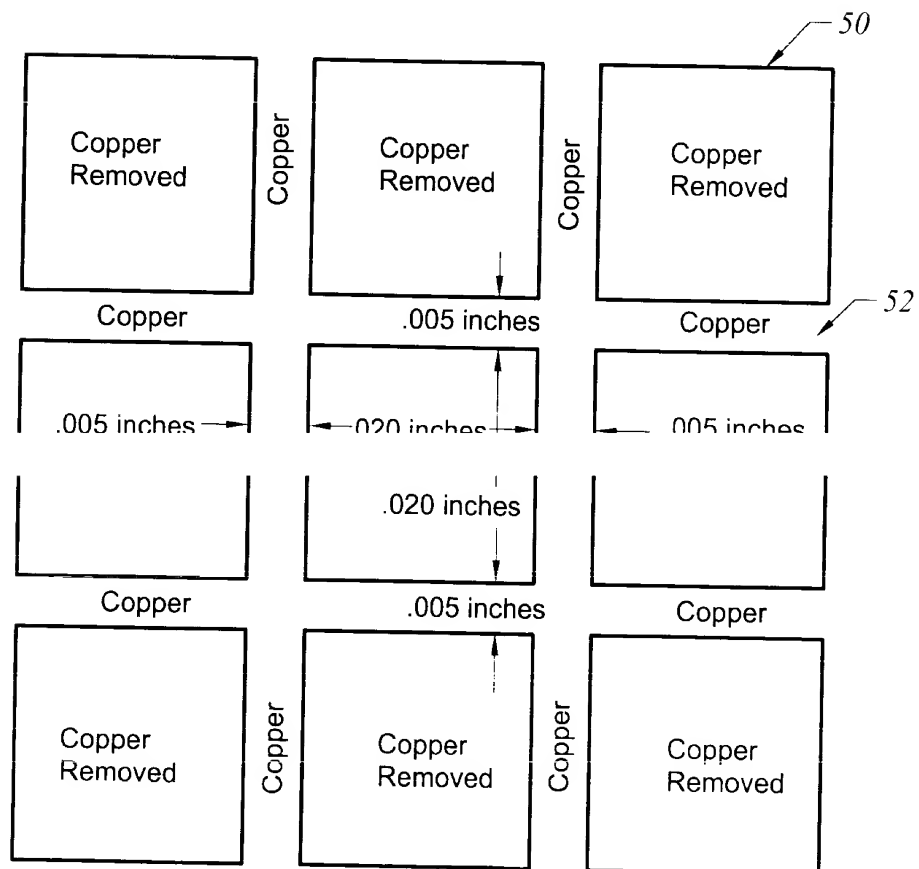
*FIG. 9*

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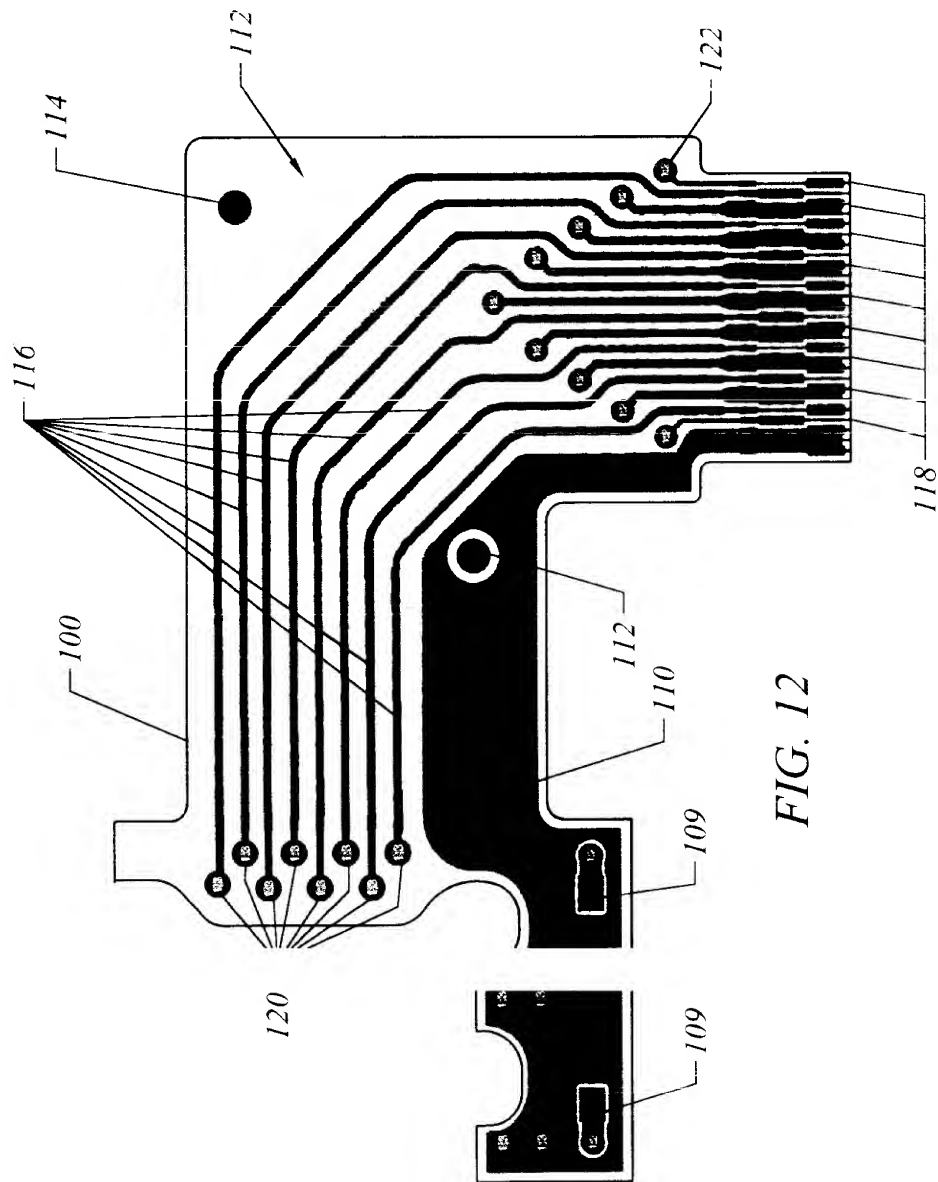
Simulation Results for 75 ohm Transmission Line - Isolation  
Between Traces

FIG. 10



Cross Hatch Utilized on Ground Plane

FIG. 11



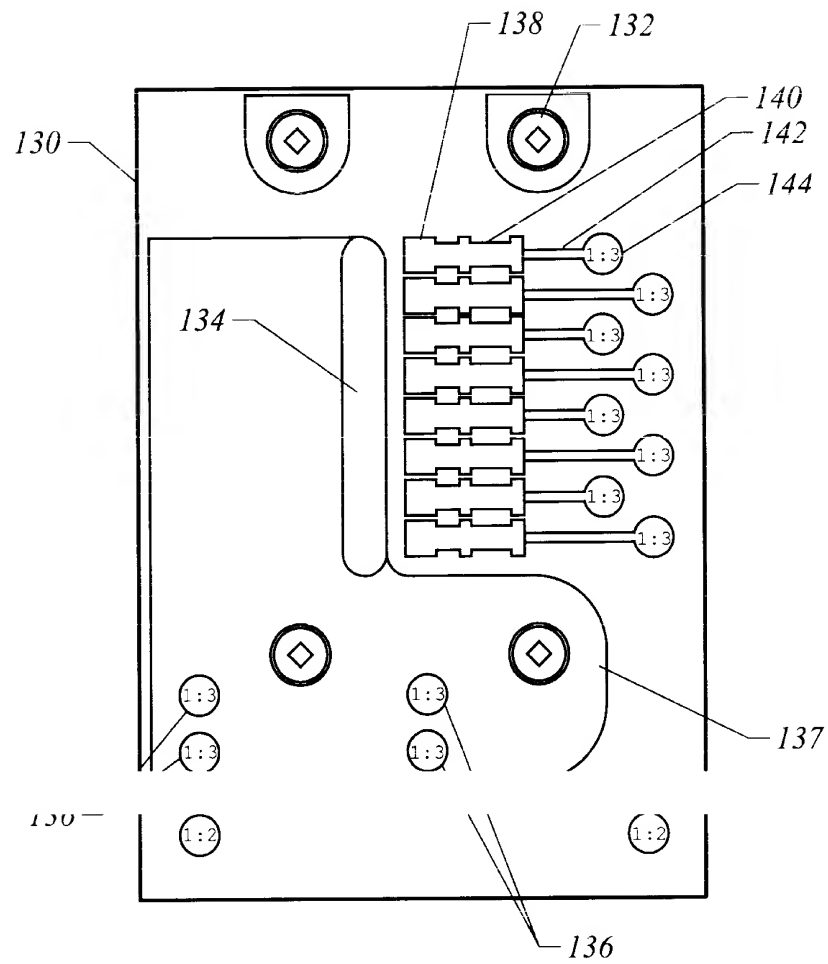
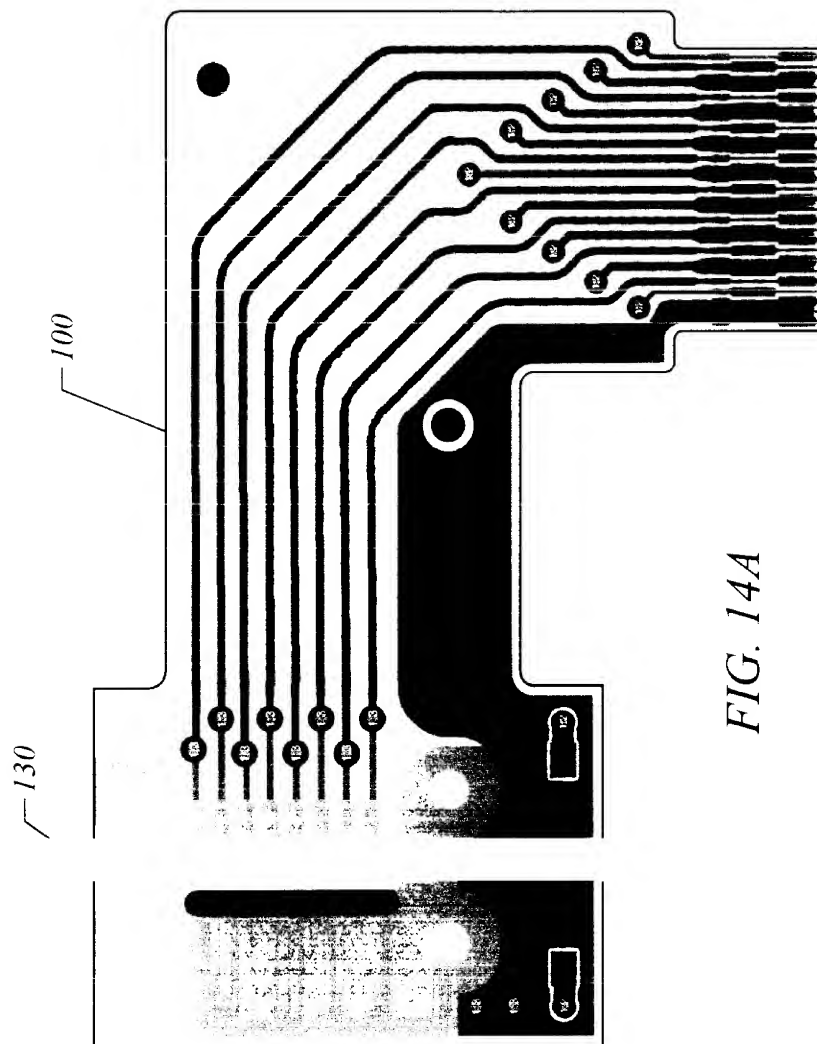


FIG. 13





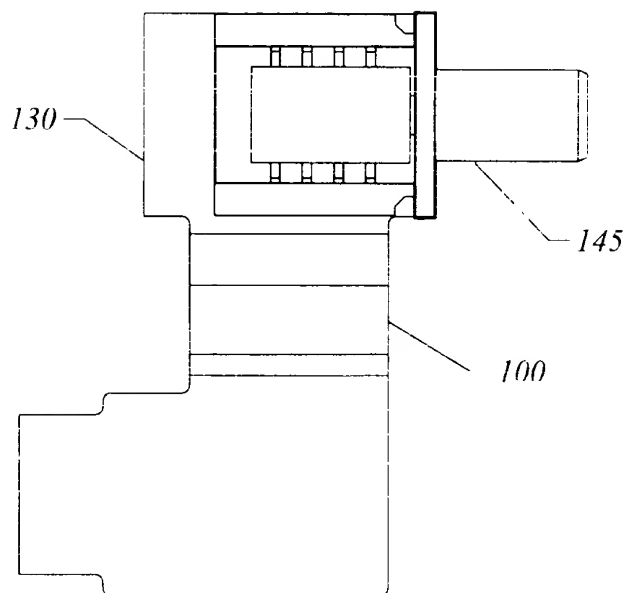


FIG. 14B

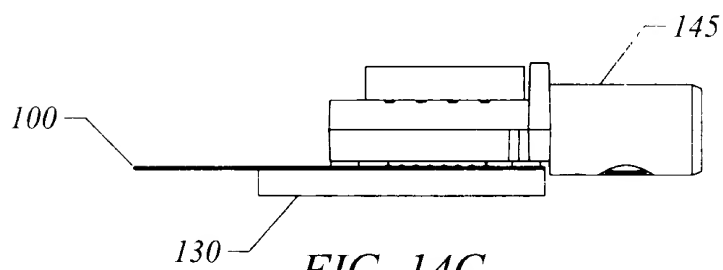


FIG. 14C

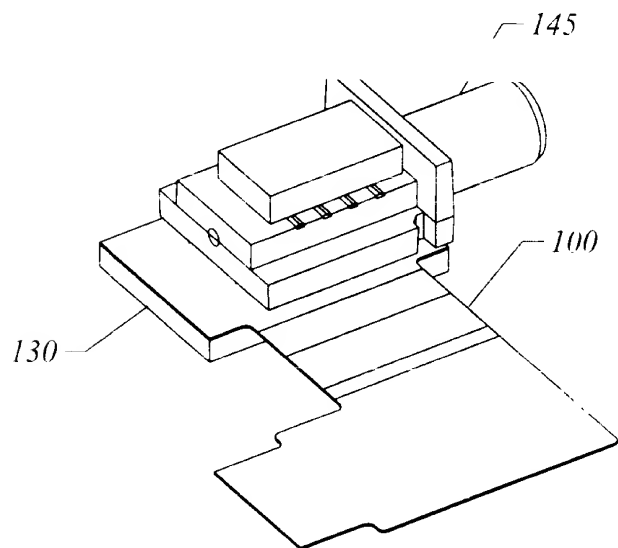


FIG. 14D

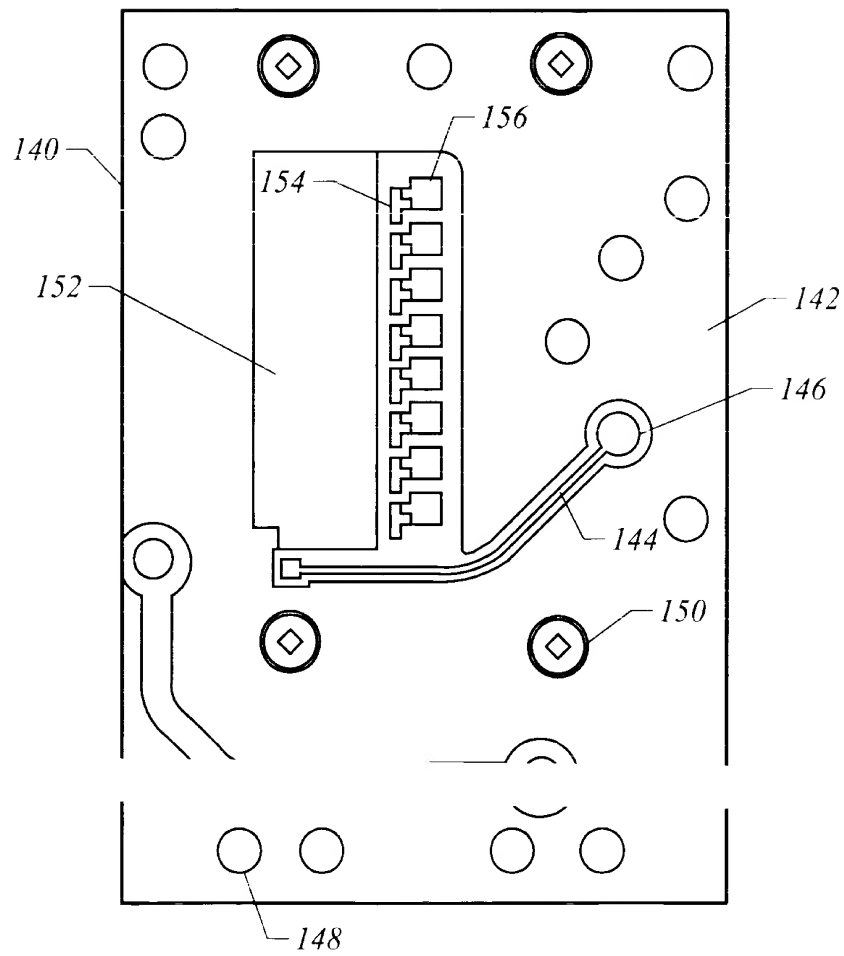
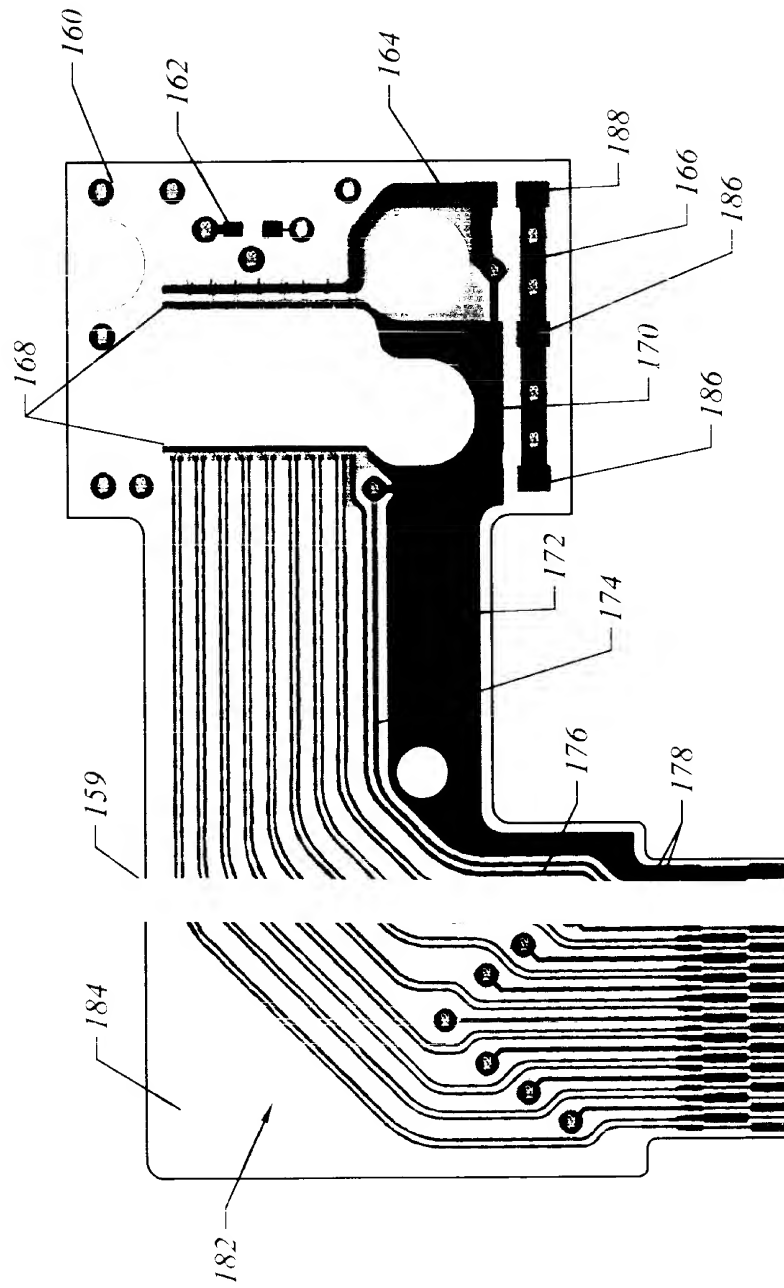


FIG. 15



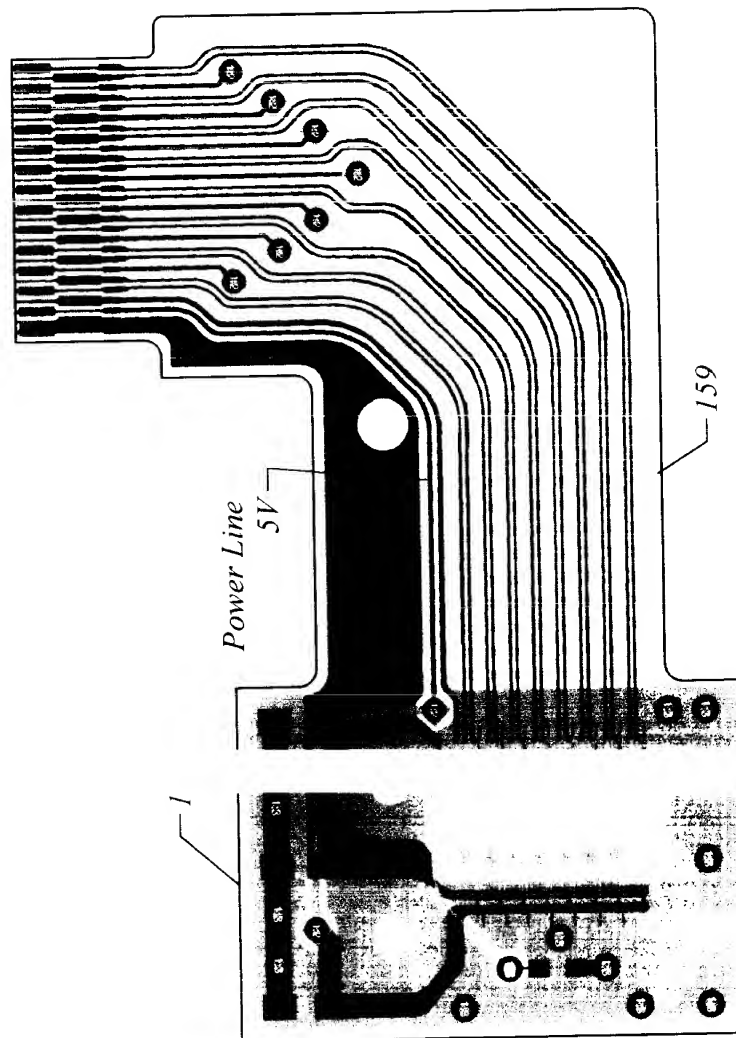


FIG. 17A

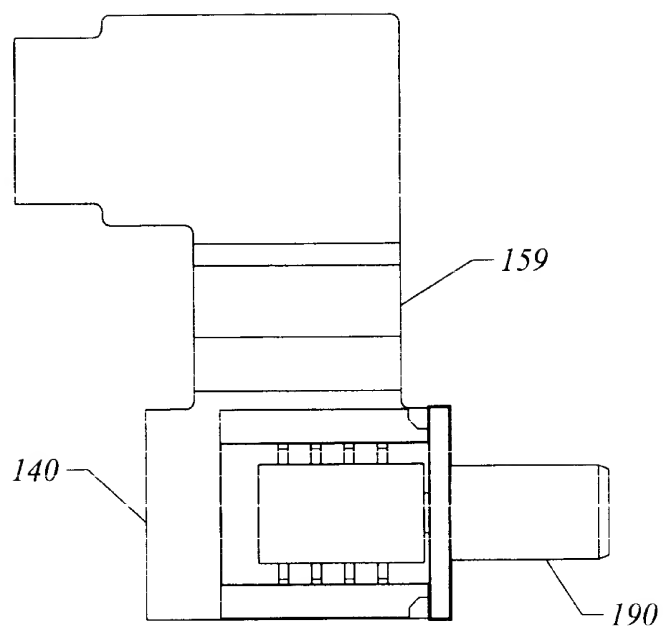


FIG. 17B

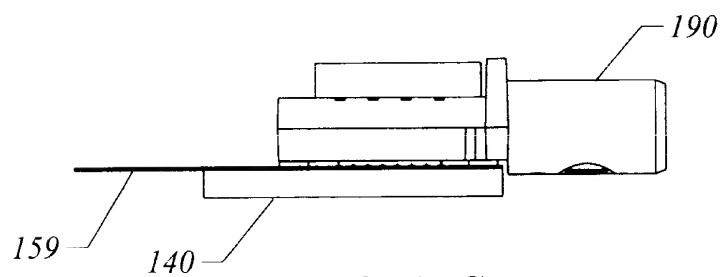


FIG. 17C

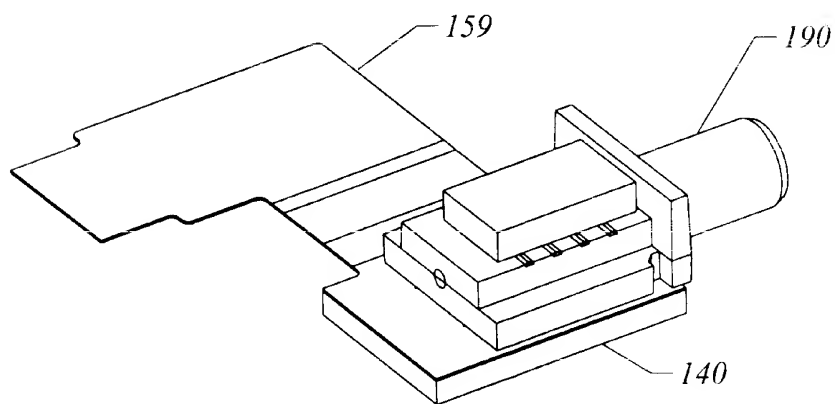


FIG. 17D

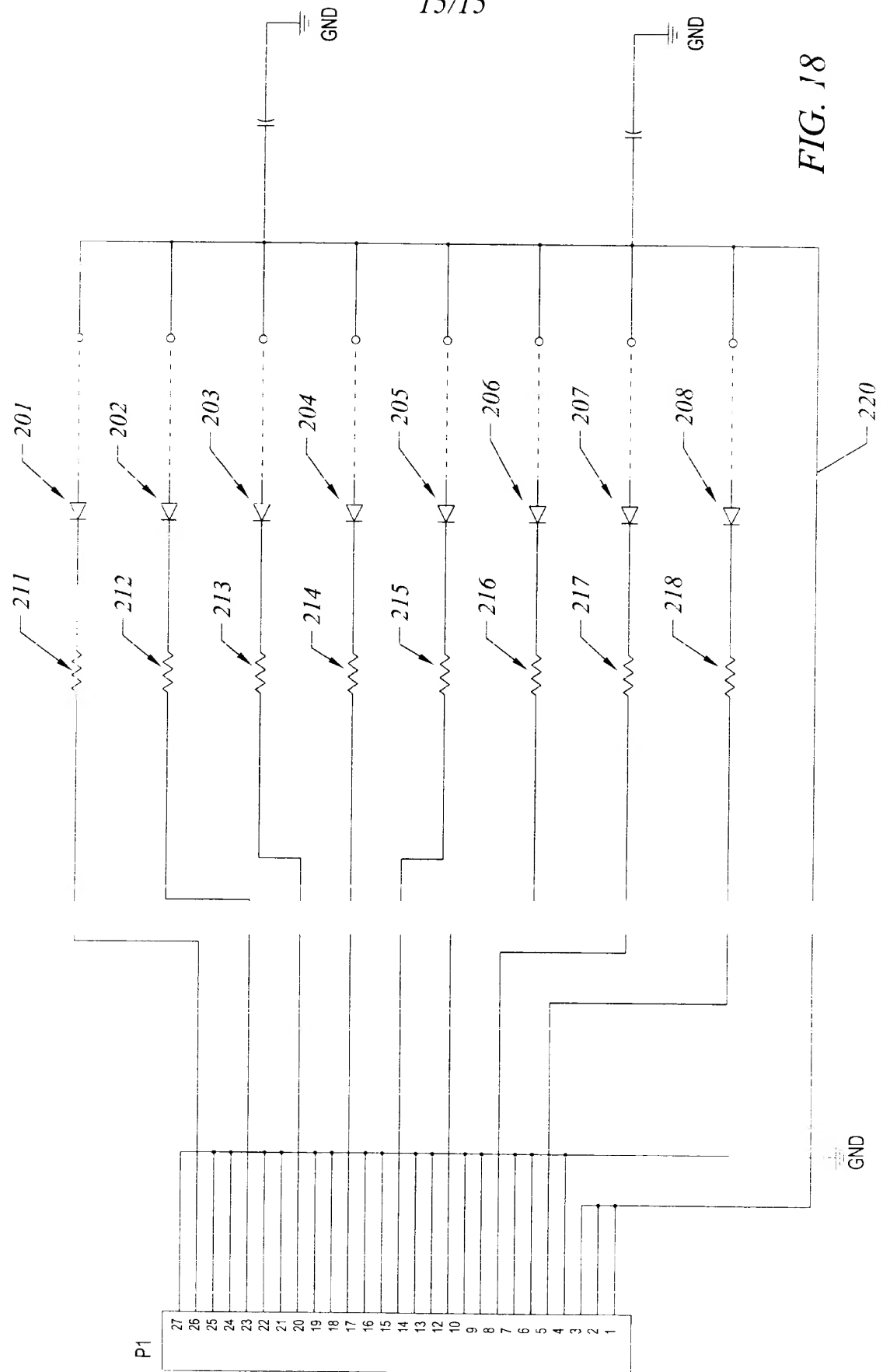


FIG. 18